
Mission Planning Systems Engineering & Integration Contract (SEIC)



**SEIC Industry
Day
October 15, 2003**

Agenda

- **Short Term SEIC Organization**
- **Short Term SEIC Tasking**
 - **Requirements Analysis**
 - **Architecture/Design**
 - **System Integration/Test**
 - **Special Studies**

SEIC Business Overview - Organization

Gov't SEIC PM
Lt Sam Deaton

JEMT

SEIT

Air Force
Chief Architect
Scott Gray

Navy
Chief Architect
David Pearson

Army
Chief Architect
Hunter Matthews

SOF
Chief Architect
David Iverson

Air Force Orgs
Mission Planning
SPO (N, S, & W)

Navy Orgs
PMA-233, NAWC,
SPAWAR

Army Orgs
PEO(AVN), SED

SOF Orgs
TBD

SEIC PM
Mike Kuriki, NGIT

NGIT
Mike Kuriki

Boeing
Randy Wing

BAE
Bill Wright

Tybrin
Sam Parsons

Titan (Jaycor)
Larry Griggs

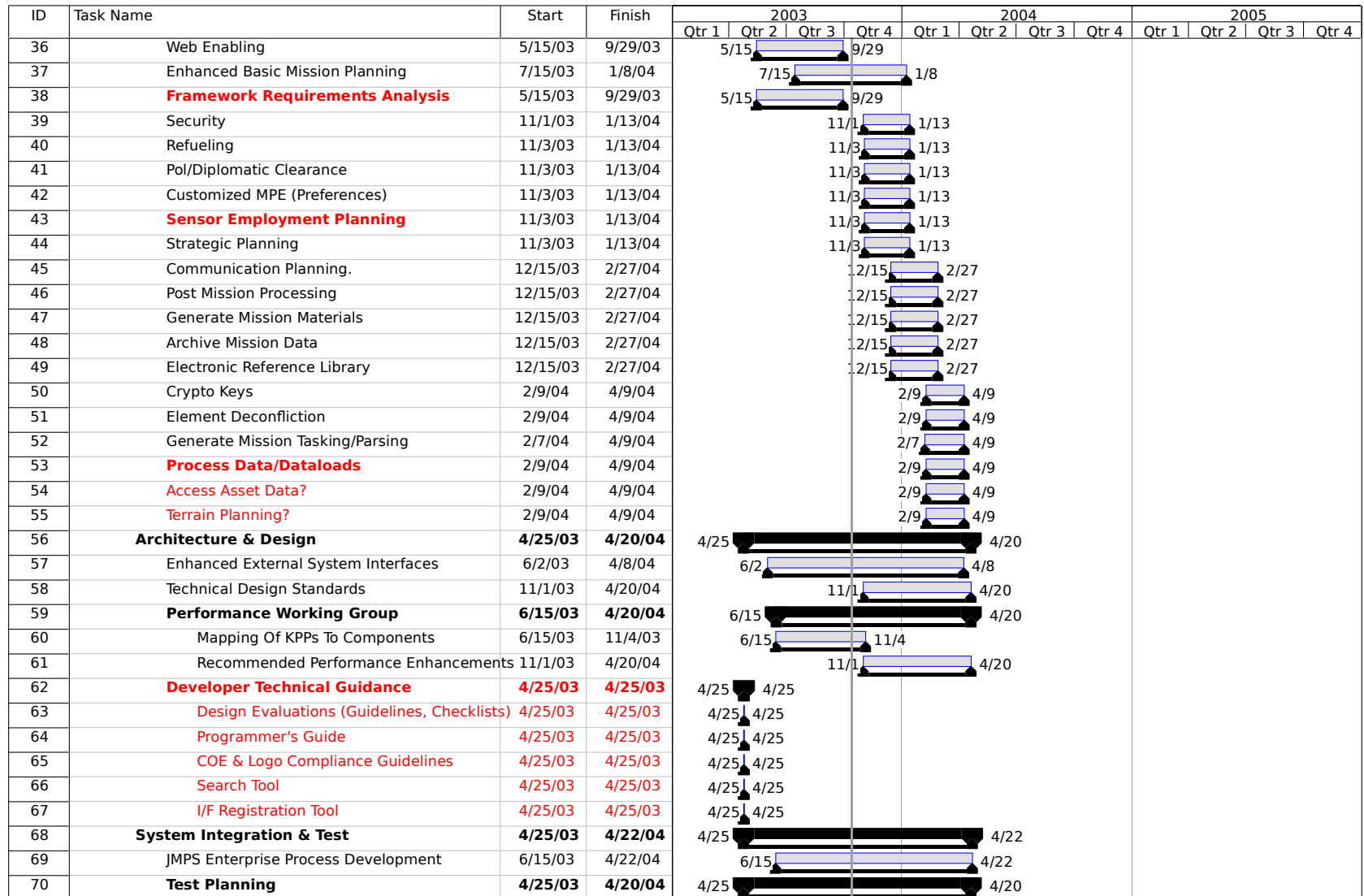
Gov't

SEIC

SEIC-ST Integrated Master Schedule

ID	Task Name	Start	Finish	2003				2004				2005			
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	JMPS Framework	6/18/03	6/21/04	6/18							6/21				
2	JMPS Version 1 RRR	6/18/03	6/18/04		6/18										
3	JMPS Combat 1 "Working Dates"	7/28/03	6/21/04	7/28							6/21				
4	JC1 0.3 (ITCRR)	7/28/03	7/28/03			7/28									
5	JC1 0.4 (UPCRR)	9/26/03	9/26/03				9/26								
6	JC1 0.5 (OTRR)	1/15/04	1/15/04					1/15							
7	JC1 1.0 (H2E IOC)	6/21/04	6/21/04						6/21						
8	JMPS JCP	1/15/04	3/4/04		1/15				3/4						
9	JCP 0.1 (RRR)	1/15/04	1/15/04					1/15							
10	JCP 0.2 (ITCRR)	3/4/04	3/4/04						3/4						
11	JMPS Systems Engineering & Integration Contract	4/25/03	4/22/04	4/25							4/22				
12	Contract Award	4/25/03	4/25/04		4/25										
13	Systems Engineering	4/25/03	4/22/04	4/25							4/22				
14	Define JMPE Requirements	4/25/03	4/25/03	4/25											
15	Inventory CCRD To Determine Order (GFI)			4/25											
16	Refine CCRDs To Next Level (GFI)			4/25											
17	Requirements Analysis	5/15/03	4/9/04	5/15							4/9				
18	Requirements IPT	5/15/03	4/9/04	5/15							4/9				
19	Requirements Package Review	5/15/03	4/9/04	5/15							4/9				
20	Architecture Review	5/15/03	4/9/04	5/15							4/9				
21	Manage Master Interdependency Matrix	5/15/03	4/9/04	5/15							4/9				
22	ICD/IRS Maintenance	5/15/03	4/9/04	5/15							4/9				
23	CICWG	5/15/03	5/15/03	5/15											
24	Change Tracking	6/1/03	4/8/04	6/1							4/8				
25	Requirements Traceability	6/1/03	4/8/04	6/1							4/8				
26	Auto Routing/LO	5/15/03	12/19/03	5/15			12/19								
27	Weather Planning (1)	5/15/03	8/15/03	5/15		8/15									
28	Sensor Prediction (1)	6/16/03	10/23/03	6/16		10/23									
29	Intel Planning (2)	6/16/03	10/23/03	6/16		10/23									
30	Query and Process Imagery (2)	6/16/03	8/15/03	6/16		8/15									
31	Electronic Warfare Planning (2)	5/15/03	10/23/03	5/15		10/23									
32	Access Target Information (2)	5/15/03	11/21/03	5/15		11/21									
33	Mission Rehearsal	5/15/03	11/21/03	5/15		11/21									
34	GATM	6/15/03	8/15/03	6/15		8/15									
35	Collaborative Planning	6/15/03	12/19/03	6/15		12/19									

SEIC-ST Integrated Master Schedule



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				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
71	Component Level Test Methodology	4/25/03	4/25/03	4/25	4/25										
72	Develop Generic Test Process	4/25/03	4/25/03	4/25	4/25										
73	Tailor Generic Test Process	4/25/03	4/25/03	4/25	4/25										
74	Centralized Problem Reporting Process	11/1/03	4/20/04				11/1				4/20				
75	Develop System Test Plans	11/3/03	4/20/04				11/3				4/20				
76	Program Management	4/25/03	4/22/04	4/25											
77	SEIC Program Management	4/25/03	4/22/04	4/25											
78	CDRL A001 SEMP - Draft	12/15/03	12/15/03								12/15				
79	CDRL A001 SEMP - Final	1/30/04	1/30/04								1/30				
80	CDRL A009 CPR (monthly)	7/3/03	CDRL A009 CPR (monthly)			7/3									
81	CDRL A014 IMP	7/25/03	7/25/03			7/25									
82	CDRL A019 CWBS - draft	5/27/03	CDRL A019 CWBS - draft			5/27									
83	CDRL A019 CWBS - final	7/8/03	CDRL A019 CWBS - final			7/8									
84	Risk Management	4/25/03	4/22/04	4/25											
85	MPMT & SEIT Support	4/25/03	4/22/04	4/25											
86	Process Definition Support	4/25/03	4/22/04	4/25											
87	Build JMPs Enterprise IMS	4/25/03	6/6/03	4/25	6/6										
88	CDRL A005 IMS - Draft	5/27/03	CDRL A005 IMS - Draft			5/27									
89	CDRL A005 IMS - Final	7/8/03	CDRL A005 IMS - Final			7/8									
90	Maintain JMPs Enterprise IMS	4/25/03	4/22/04	4/25											
91	Configuration Management	11/1/03	4/20/04				11/1				4/20				
92	CDRL A013 DAL (monthly)	5/27/03	CDRL A013 DAL (monthly)			5/27									
93	CDRL A015 CMP	7/25/03	7/25/03			7/25									
94	Management Metrics	4/25/03	4/22/04	4/25											
95	CDRL A008 Management Metric Rpt (monthly)	CDRL A008 Management Metric Rpt (monthly)	CDRL A008 Management Metric Rpt (monthly)			7/25									
96	Knowledge Repository	4/25/03	4/22/04	4/25											
97	Software Component Management	4/25/03	4/22/04	4/25											

SEIC-ST Tasking - Requirements

Analysis

• Produce Common Capability Requirements Packages

- Define Common Capability Specification Template
 - Scope
 - Operational Overview
 - Capability Overview
 - Capability Prioritization
 - Design Constraints
- Validate coverage of common requirements by CCs
- Deconflict requirements between CCs
- Identify dependencies between CCs
- Produce CC Spec in coordination with Government teams
- Update CCRDs

SEIC-ST Tasking - Requirements

Analysis

• Near Term Common Capabilities

- Weather 08-01-03
- GATM 09/21/03
- Sensor Prediction 10/23/03
- Query/Process Imagery 10/24/03
- Intel 11/21/03
- Mission Rehearsal 11/21/03
- Access Target Info 11/21/03
- Electronic Warfare Planning 12/19/03
- Autorouting 12/19/03
- Collaborative Planning 12//19/03
- Enhanced Basic Mission Planning 01/08/04
- Web Enabling TBD

SEIC-ST Tasking - Requirements

Analysis

• Remaining Common Capabilities

- Security 01/13/04
- Refueling 01/13/04
- Political/Diplomatic Clearances 01/13/04
- Customized MPE (Preferences) 01/13/04
- Sensor Employment Planning 01/13/04
- Strategic Planning 01/13/04
- Communications Planning 02/27/04
- Post Mission Processing 02/27/04
- Generate Mission Materials 02/27/04
- Archive Mission Data 02/27/04
- Electronic Reference Library 02/27/04
- Crypto Keys 04/09/04
- Element Deconfliction 04/09/04
- Generate Mission Tasking/Parsing 04/09/04

SEIC-ST Tasking - Architecture/Design

- **Support CC Requirements Analysis/Definition**
 - Will review CC architecture proposed by Requirements team
 - Architecture changes to existing components necessary to support CC will be reviewed
 - Design requirements for extensibility will be identified
 - Use of existing JMPS components will be identified
 - Candidate KPPs will be allocated to components
- **Establish JMPS Architecture Review Board**
 - On-going tasking would be to monitor common capability development to ensure compliance to JMPS architecture
- **Establish Performance WG**
 - Tasking includes monitoring overall JMPS performance as new common capabilities are added
- **Developer Technical Guidance**
 - Draft initial design standards, guidelines and checklists to be used in design evaluations
 - Begin work on developer support tools

SEIC-ST Tasking - System

Integration/Test

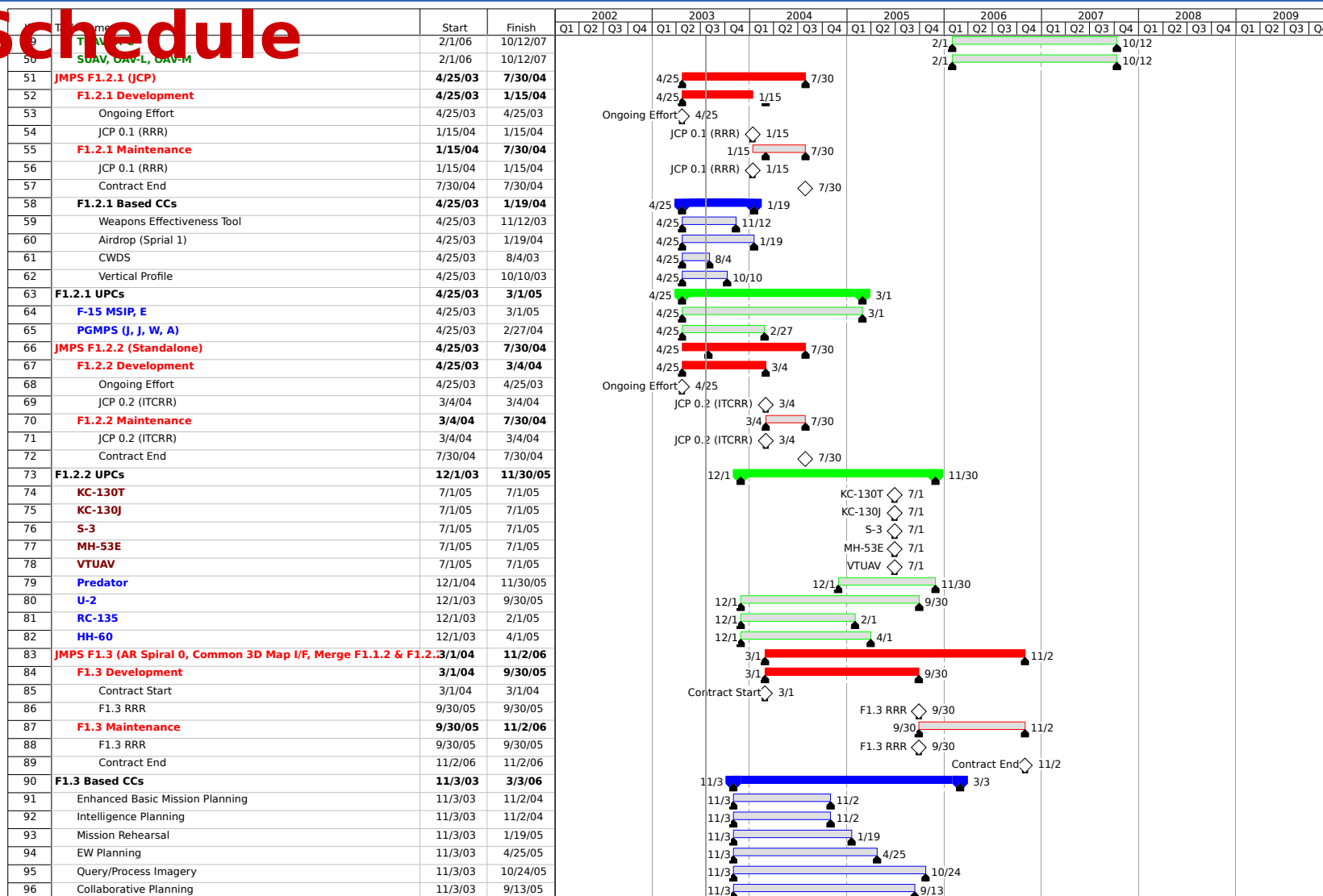
- **Produce Mission Planning Enterprise Integrated Master Schedule (IMS)**
- **Mission Planning Enterprise Process Definition**
 - **Mission Planning Enterprise Management Plan**
 - **Enterprise Decision Making**
 - **Enterprise IMS Generation & Maintenance**
 - **Framework Evolution/Technology Insertion Plan**
 - **Mission Planning Environment Assembly & Integration**
 - **Enterprise Requirements Definition**
 - **Enterprise Test Approach**
 - **Problem Report/Discrepancy Report Handling**
 - **Enterprise Configuration Management**
 - **Knowledge Management**

Schedule

NORTHROP GRUMMAN
Information Technology

Draft Enterprise Integrated Master

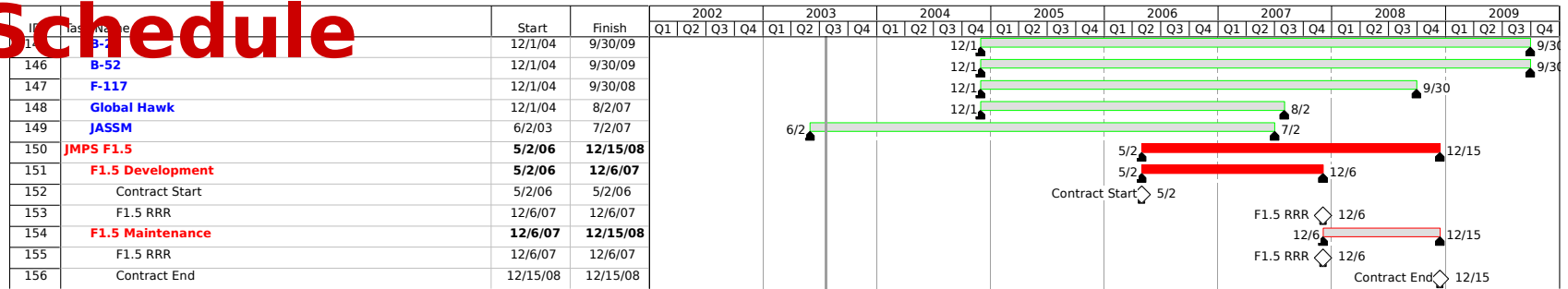
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Schedule



Schedule



SEIC-ST Tasking - Special Studies

- **Advanced Computer Flight Planning (ACFP) High-Performance Team (HPT)**
 - Supported study to determine approaches to migrate ACFP to JMPS and to estimate cost of phased transition
- **MPS Life Cycle Upgrade (LCU)**
 - Performed study to define hardware requirements for development hardware suite for the LCU
- **Synchronized Air Power Management (SAPM) Phase II**
 - Performing gap analysis on workflow portion of SAPM to determine simplest approach to make it suitable for fielding
- **Security Engineer**
 - Providing a dedicated engineering resource to support MPS security issues